Bibliography on COLD REGIONS

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# Bibliography on COLD REGIONS SCIENCE AND TECHNOLOGY

**CUMULATIVE AUTHOR INDEX, VOL. 38-42** 

Geza T. Thuronyi, Editor

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# BIBLIOGRAPHY ON COLD REGIONS SCIENCE AND TECHNOLOGY Cumulative Author Index to Volumes 38-42

# INTRODUCTION

This index is a cumulation of the annual author indexes to five volumes of the *Bibliography on Cold Regions Science and Technology* (38-42).

In anticipation of this cumulation (and the companion Subject Index) the annual indexes have been bound separately rather than with the bibliography volumes, so they now may be discarded.

The index is arranged alphabetically by author. All principal and joint authors are included, both personal and corporate. Anonymous articles are listed under their titles.

The author's name is followed by the title of the paper. Titles are listed alphabetically. Initial articles (a, an, the) are omitted as a

rule, but a small number of titles are listed with the article and are alphabetized accordingly. In case of foreign titles the English translation is given rather than the original title. The title is followed by the date of publication, the pagination (found useful by some users for positive identification and for value judgments), and the language in which the paper is writter (in the case of translations, English is given as the language).

The item numbers listed after each index entry refer to the Bibliography section of the Bibliography on Cold Regions Science and Technology. The first two digits represent the volume number; these are followed by a hyphen and the sequence number within the volume.

17. Document Analysis a. Descriptors

snow glaciers ice permafrost glaciology mobility

climatology
winter construction
frozen ground

b. Identifiers/Open-Ended Terms

c. COSATI Field/Group

19. Security Class (This Report)

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crowave imager DMSP data [1985, p.411-415, eng]  41-219  Freeze-up and break-up of lakes as an index of temperature changes during the transition seasons: a case study for Finland [1986, p.893-902, eng]  40-4731  Lake ice cover as a temperature index for monitoring climate perturbations [1985, p.43-49, eng]  40-1846  Lake ice formation and break-up as an indicator of climate change potential for monitoring using remote sensing techniques [1987, p.153-161, eng]  Lake ice occurrence as an early detector of climate perturbation: the potential for monitoring. Final report [1987, Lage case]  Lage scale effects of seasonal snow cover [197, 22-94, eng]  42-393  Melting of polar ice caps [1988, p.60-61, eng]  42-335  Melting of polar ice caps [1988, p.60-61, eng]  42-305  Mature and significance of cloud-cryosphere interactions in the mraginal snow and ice zones [1984, p.605-607, eng]  42-1702  Passive microwave data from snow and ice research: planned products from the DMSP SSM/1 system [1987, p.769, 776-777, eng]  Permafrost data and information: status and needs [1988, p.119-122, eng]  Possible CO2-induced warming effects on the cryosphere (1984, p.571-604, eng)  82-ice and snow-cover data availability, needs and problems [1984, p.9-15, eng]  39-164  Sea ice data base [1986, p.1099-1134, eng]  Seasonal variations of sea ice motion in the Canada Basin and	Barton, C.C.  Measurement of the resistance of imperfectly elastic rock to Measurement of the resistance of imperfectly elastic rock to the propagation of tensile cracks [1985, p.7827-7836, cng) 40-3666  Microstructure and the resistance of rock to tensile fracture [1985, p.11,533-11,546, eng) 41-496  Barton, J.S.  Automatic weather station in a sub-Arctic environment (1986, p.8-12, eng) 49-3114  Barton, L.A.  Erosion and modification of SO2 ice by ion bombardment of the surface of lo [1984, p.B711-B715, eng] 38-3873  Bartoszewski, S.  Outflow of water in permafrost environment—Spitabergen [1988, p.343-343, eng] 42-4077  Bartsch-Winkler, S.  Geologic studies in Alaska by the U.S. Geological Survey during 1985 [1986, 173p, eng] 41-664  Guide to Late Pleistocene and Holocene deposits of Turnagain Arm [1984, 70p. + 2 maps, eng] 39-4027  Barus, S.  Design methods for gas/condensate pipelines in cold environments [1986, p.143-151, eng) 41-79  Barykov, A.A.  Formation of surface moraines on mountain glaciers [1985, p.181-185, rus) 40-2098  Barykova, LU.N.	ment used in the excavation of frozen ground with hard inclusions [1985, p.116-118, rus]  Basa, D.  Analysis of iceberg impacts with gravity base structures at Hibernia [1985, p.255-259, eng) 39-2422 [ceberg crater chains and scour up- and downslope [1986, p.122-128, eng) 41-3100  Basa, D.W.  Added mass and damping coefficient for certain 'realistic' iceberg models [1986, p.163-1174, eng) 41-1287  Computer simulation of iceberg instability [1984, p.163-169, eng) 39-340  Dynamic analysis of unstable roll of icebergs [1985, p.966-979, eng) 41-3092  Iceberg generated pits: a theoretical study [1986, p.61-62, eng) 41-3092  Iceberg generated pits: a theoretical study [1986, p.81-88, eng) [1986, p.81-88, eng) [1986, p.81-89, eng) 42-3093  Inventory of upslope and downslope iceberg securing [1986, p.81-81, 103p., eng) 42-3093  Bassis, N.S.  Calculating glacier abiation in eastern Pamirs from mean summer air temperature [1984, p.98-104, rus] 39-640  Classification of glaciers according to moraine formation conditions [1983, p.66-70, rus] 38-2999  Evaluation of relief forming role of avalanches from studies of glaciers [1987, p.66-70, rus] New data on the retreat of some Alay glaciers [1987, p.94-
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Good-water runoff (1985, 189p., rus)  Evaporation from snow in conjunction with snow retention in agricultural fields (1985, p.80-90, eng)  Munerical estimation of thermal changes in a drained peat bog (1980, p.71-77, eng)  Observation and calculation of anow cover characteristics in agricultural fields at different snow-retention methods (1986, p.22-37, rus)  Studying the regularities of water vapor transfer during soil freezing (1982, p.31-44, rus)  Theoretical bases and mathematical modeling of meltwater retention in agricultural fields at [1985, p.37-44, rus)  Theoretical bases for meltwater retention on agricultural fields (1986, p.3-20, rus)  40-2634  Theoretical bases for meltwater retention on agricultural fields (1986, p.3-20, rus)  42-2003  Kailuzhnyl, L.A.  Influence of forestry and forest complexes on river runoff (1986, p.71-75, rus)  Kailszhnyl, M.I.  Forecasting the efficiency of caterpillar rippers in frozen ground (1987, p.17, rus)  Kailas, B.P.  Low-temperature mechanical properties of asphalt concrete (1982, 53p., eng)  Kailos, P.  Marine geophysical work during Antarctic III/4 (1984, p.116-128, eng)  Sailo, P.  Adaptation and evolution at the northern limits of life (1984, p.131-150, eng)	Olacier surge mechanism: 1982-1983 surge of Variegated Glacier, Alaska (1985, p.469-479, eng.)  Olacier surge mechanism based on linked cavity configuration of the basal water conduit system (1987, p.9083-9100, eng.)  Rheology of ice II and ice III from high-pressure extrusion (1986, p.693-696, eng.)  Stress-gradient coupling in placier flow: I. longitudinal averaging of the influence of ice thickness and surface slope (1986, p.267-284, eng.)  Stress-gradient coupling in placier flow: II. longitudinal averaging in the flow response to small perturbations in ice thickness and surface slope (1986, p.285-298, eng.)  Stress-gradient coupling in glacier flow: III. exact longitudinal equilibrium equation (1986, p.335-341, eng.)  Stress-gradient coupling in glacier flow: III. exact longitudinal equilibrium equation (1986, p.335-341, eng.)  Stress-gradient coupling in glacier flow: IV. Effects of the "T" term (1986, p.342-349, eng.)  Structure of the ices (1972, p.9-24, eng.)  Waves of accelerated motion in a glacier approaching surge: the mini-surges of Variegated Glacier, Alaska, U.S.A. (1987, p.27-46, eng.)  Selection of optimal dimensions for hydraulic structures in ports (1986, p.77-81, rus)  Kamellar, R.V.  Vegetational cover of highlands (1986, 254p., rus)  40-4422  Kamennetakli, F.  "Floating" foundation (1984, p.52-58, rus)  38-3199	Antarctica [1983, p.46-33, eng] 39-1853 Velocity distribution on ice sheet in Prince Olav Cosst, East Antarctica [1984, p.29-35, eng] Kamiski, A.  Investigations of the extreme temperatures of the ground surface in the Glahammöyrs region (Spitubergen) [1985, p.319-329, eng) Kamiska, A.  Anti-now tests for the overhead contact system of SHIN-KANSEN [1982, p.183-184, eng) 38-2249 Kamiyama, K.  Characteristics of the Yala Glacier from the viewpoint of tritium content [1986, p.11,84-1-1],844, eng) 41-1856 Fluctuations of sedimentary environments of the Oyajo Glacier, Khumbu Region, East Nepal [1983, p.258-260, eng) 40-2363 Glaciological and chemical characteristics of snow in the inland plateau, east Queen Msud Land, Antarctica [1987, p.163-170, eng] 42-3064 Glaciological research program in east Queen Msud Land, East Antarctica, Part 5, 1985 [1987, 71p., eng)  Kamnianskii, G.M. Evaluation of relief forming role of avalanches from studies of glaciers [1983, p.66-70, rus
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